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AMENDMENT UNDER 37 CFR § 1.111  
Serial No. 10/718,681

JAN 28 2008

**AMENDMENTS TO THE CLAIMS**

This listing of the claims replaces all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS**

- TRINA, PLEASE enter this Amendment. Thanks, Creighton*
1. [Cancelled]
  2. [Cancelled]
  3. [Currently Amended] The method as claimed in claim 221 wherein the route is optimized first for a primary availability parameter, and second for a secondary availability parameter.
  4. [Currently Amended] The method as claimed in claim 221 further comprising determining whether the resource availability information associated with the selected optimal route is relevant to an abstracted link in the abstracted network map
  5. [Previously Amended] The method as claimed in claim 22 wherein transforming the resource availability information of the abstracted link comprises formulating a metric information update message to be sent to the CNE, the metric information update message including resource availability information in units and in a format expected by the CNE.
  6. [Previously Amended] The method as claimed in claim 22 wherein the respective resource availability information assigned to the abstracted link comprises a predefined fraction of the total resource availability of the selected optimal route, in order to offer a percentage of the available bandwidth to the client network element.
  7. [Previously Amended] The method as claimed in claim 5 wherein the first NE is an edge NE of a data transport network that is connected by a link to the CNE and is